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SENSOR SERIAL NUMBER: 0118
CALIBRATION DATE: 30-Oct-20

Glider Payload CTD TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -3.650273e-005
a1 = 2.965612e-004
a2 = -3.841781e-006
a3 = 1.839798e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	570415.5	1.0001	0.0001
4.5000	487083.9	4.4999	-0.0001
15.0000	309346.8	15.0000	0.0000
18.5000	267585.8	18.5001	0.0001
24.0000	214347.7	24.0000	0.0000
29.0000	176284.7	28.9998	-0.0002
32.5000	154254.0	32.5001	0.0001

n = Instrument Output (counts)

Temperature ITS-90 (°C) = $1 / \{a_0 + a_1[\ln(n)] + a_2[\ln^2(n)] + a_3[\ln^3(n)]\} - 273.15$

Residual (°C) = instrument temperature - bath temperature

